Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/21/2020 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124738	-1	3.05	124851	3.08
Blue	F	SSC	125000	124044	-1	2.00	124726	2.01
Blue	E	FITC	15892	15428	-3	2.96	337	21.09
Blue	D	PE	29999	29249	-3	2.09	638	15.42
Blue	B	PerCP-Cy5-5	43732	43459	-1	3.83	1159	21.13
Blue	A	PE-Cy7	30845	30684	-1	6.36	583	43.44
Red	C	APC	46112	44963	-3	2.51	1588	12.37
Red	A	APC-Cy7	30458	29670	-3	2.48	786	12.04
Violet	B	V450	7918	7633	-4	4.05	436	12.59
Violet	A	V500	32171	30750	-5	3.85	720	10.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17105	16.51	640	19	N/A	N/A	Pass
Blue	F	SSC	57105	1.47	576	17	N/A	N/A	Pass
Blue	E	FITC	60	65.51	552	9	0.0173	86	Pass
Blue	D	PE	131	52.61	558	10	0.1462	264	Pass
Blue	B	PerCP-Cy5-5	214	51.70	666	10	0.0085	60	Pass
Blue	A	PE-Cy7	107	107.29	711	13	0.0096	13	Pass
Red	C	APC	379	25.86	590	6	0.0234	155	Pass
Red	A	APC-Cy7	173	28.24	561	5	0.0054	681	Pass
Violet	B	V450	66	57.02	461	3	0.0556	2070	Pass
Violet	A	V500	108	32.48	476	2	0.0243	694	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-32.18	1.03
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.04	13.60 - 20.40	N/A	N/A	29.58	30.01	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9735

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments